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C O N F I D E N T I A L

ANNEX TO
COCOM Doc. 3416.00/2

LIST OF PRINCIPAL COBALT COMPOUNDS AND THEIR COBALT CONTENT.

(Supplied by the United States Delegation)

1. Compounds covered by revised (French - United Kingdom) definition of Item 1648d:

Name	Formula	% Cobalt hydrated basis	% Cobalt Anhydrous basis
cobalt acetate	$Co(CH_3CO_2)_2 4H_2O$	24	33.3
cobalt arsenate	$Co_3(As_5O_4)_2 8H_2O$	29.5	38.8
cobalt carbonate, basic	$2CoCO_3 3Co(OH)_2$	50	57
cobalt chloride	$CoCl_2 6H_2O$	24.8	45
cobalt chloride anhydride	$CoCl_2$	45	45
cobalt chromate	(variable)	-	34
cobalt citrate	$Co_3(C_6H_5O_7)_2 2H_2O$	30	31.9
cobalt cyanide	$Co(Cn)_2 2H_2O$	40	53.1
cobalt formate	$Co(HCOO)_2 2H_2O$	32	39.6
cobalt hydroxide	$Co(OH)_2$	63.4	63.4
cobalt hydroxide (cobaltic)	$Co(OH)_3$	53.6	53.6
cobalt nitrate	$Co(NO_3)_2 6H_2O$	20	32.3
cobaltosic oxide	Co_3O_4	73.4	73.4
cobalt carbonate	$CoCO_3$	49.6	49.6
cobaltous oxide	CoO	78.7	78.7
cobalt selenide	CoSe	42.7	42.7
cobalt oxalate	CoC_2O_4	40.1	40.1
cobalt oxalate, tetrahydrate	$CoC_2O_4 4H_2O$	27.4	40.1
cobaltic oxide	Co_2O_3	71.1	71.1
cobalt selenite	$CoSeO_3$	31.7	31.7
cobalt sulfate	$CoSO_4 7H_2O$	21	38
cobalt sulfide	CoS	64.8	64.8

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Name	Formula	% Cobalt hydrated basis	% Cobalt Anhydrous basis
cobalt thiocyanate	$Co(SCN)_2 4H_2O$	23.8	33.7
cobalt phosphide	-	79	79
cobalt phosphate	$Co_3(PO_4)_2 4H_2O$	35	48

2. Compounds not covered by revised (French - United Kingdom) definition of Item 1648a:

cobalt ammonium sulfate	$CoSO_4(NH_4)_2SO_4 6H_2O$	15	20.6
cobalt bromide	$CoBr_2 6H_2O$	18	27
cobalt chlorate	$Co(ClO_3)_2$	18	18
cobalt iodide	$CoI_2 6H_2O$	14	19
cobalt selenateheptahydrate	$CoSeO_4 7H_2O$	18	29.3
cobalt selenate hexahydrate	$CoSeO_4 6H_2O$	19.1	29.3
cobalt selenate pentahydrate	$CoSeO_4 5H_2O$	20.2	29.3
cobalt potassium cyanide	K_3CoCN_6	17.7	17.7
cobalt potassium nitrite	$Co(NO_2)_3 3KNO_2 1\frac{1}{2}H_2O$	12.3	13.0
cobalt potassium sulfate	$CoSO_4 K_2SO_4 6H_2O$	13.5	17.9
cobalt perchlorate	$Co(ClO_4)_2 6H_2O$	16	23

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